

**METHOD AND APPARATUS FOR TIME TRACKING**Abstract of the Disclosure

5           In order to time track an incoming signal, a receiver demodulates a first instance of a signal to produce a first set of energy values corresponding to a set of possible data values of the signal. The receiver also demodulates a second instance of the signal to produce a second set of energy values corresponding to the set of possible data values. The receiver combines the first and the second sets of energy  
10       values to determine a combined set of energy values. The receiver determines a first estimate of a most likely transmitted data value based upon the combined set of energy values. The receiver decovers an early set of despread samples of the first instance using a symbol corresponding to the first estimate to produce a first early energy value. The receiver decovers a late set of despread samples of the first  
15       instance using the symbol corresponding to the first estimate to produce a first late energy value. Finally, the receiver determines a time offset of the first instance based upon the first early and the first late energy values.